

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/010851

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 D04B15/06 D04B15/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X,Y | EP 0 396 207 A (ANNEDEEN HOSIERY MILL INC) 7 November 1990 (1990-11-07) page 1, lines 1-4 page 12, lines 3-6 page 12, lines 23-26; figure 2 page 27, lines 9-43; figures 3,17 | 1-4,8, 12,13 |
| Y | GB 759 137 A (BENTLEY ENG CO LTD) 17 October 1956 (1956-10-17) page 2, line 9 - page 3, line 60; claims 1,3,6; figures 1,5 | 1-4,8, 12,13 |
| X | GB 245 928 A (WILLIAM HENRY CLAUDE SPENCER) 21 January 1926 (1926-01-21) page 4, lines 26-59; claims 8,9; figure 3 | 12-15 |

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Sterle, D

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Information on patent family members

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PCT/EP2004/010851

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| EP 0396207 | A | 07-11-1990 | US 4608839 A | 02-09-1986 |
| | | | DE 3382070 D1 | 07-02-1991 |
| | | | EP 0099269 A2 | 25-01-1984 |
| | | | EP 0397284 A2 | 14-11-1990 |
| | | | EP 0397285 A2 | 14-11-1990 |
| | | | EP 0399624 A2 | 28-11-1990 |
| | | | EP 0397286 A2 | 14-11-1990 |
| | | | EP 0397287 A2 | 14-11-1990 |
| | | | EP 0397288 A2 | 14-11-1990 |
| | | | EP 0396207 A2 | 07-11-1990 |
| | | | GB 2152956 A , B | 14-08-1985 |
| | | | GB 2181161 A , B | 15-04-1987 |
| | | | GB 2181162 A , B | 15-04-1987 |
| | | | GB 2182065 A , B | 07-05-1987 |
| | | | GB 2182066 A , B | 07-05-1987 |
| | | | GB 2182067 A , B | 07-05-1987 |
| | | | JP 1788708 C | 10-09-1993 |
| | | | JP 4080134 B | 17-12-1992 |
| | | | JP 59173343 A | 01-10-1984 |
| | | | JP 2655216 B2 | 17-09-1997 |
| | | | JP 5239746 A | 17-09-1993 |
| | | | JP 2699036 B2 | 19-01-1998 |
| | | | JP 5239750 A | 17-09-1993 |
| | | | JP 2622785 B2 | 18-06-1997 |
| | | | JP 5239744 A | 17-09-1993 |
| | | | JP 5239747 A | 17-09-1993 |
| | | | JP 2699037 B2 | 19-01-1998 |
| | | | JP 5239748 A | 17-09-1993 |
| | | | JP 2655217 B2 | 17-09-1997 |
| | | | JP 5239749 A | 17-09-1993 |
| | | | US 4711100 A | 08-12-1987 |
| | | | US 5001909 A | 26-03-1991 |
| | | | US 4941332 A | 17-07-1990 |
| | | | US 5035124 A | 30-07-1991 |
| | | | US 5095720 A | 17-03-1992 |
| | | | US 5144817 A | 08-09-1992 |
| | | | US 5133196 A | 28-07-1992 |
| | | | US 4738123 A | 19-04-1988 |
| | | | US 4696170 A | 29-09-1987 |
| | | | US 4811572 A | 14-03-1989 |
| | | | US 4763492 A | 16-08-1988 |
| | | | US 4796444 A | 10-01-1989 |
| GB 759137 | A | 17-10-1956 | NONE | |
| GB 245928 | A | 21-01-1926 | NONE | |